

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/954,954DATE: 03/13/98  
TIME: 17:00:47

INPUT SET: S24139.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

#2/7L  
04/15/96

## SEQUENCE LISTING

ENTERED

1  
2  
3 (1) General Information  
4  
5 (i) APPLICANT: Summers, Neena  
6 McWherter, Charles  
7 Feng, Yiqing  
8  
9 (ii) TITLE OF THE INVENTION: Novel Erythropoietin Receptor Agonists  
10  
11 (iii) NUMBER OF SEQUENCES: 134  
12  
13 (iv) CORRESPONDENCE ADDRESS:  
14 (A) ADDRESSEE: G. D. Searle & Co.  
15 (B) STREET: P.O. Box 5110  
16 (C) CITY: Chicago  
17 (D) STATE: IL  
18 (E) COUNTRY: U. S. A.  
19 (F) ZIP: 60680  
20  
21 (v) COMPUTER READABLE FORM:  
22 (A) MEDIUM TYPE: Diskette  
23 (B) COMPUTER: IBM Compatible  
24 (C) OPERATING SYSTEM: DOS  
25 (D) SOFTWARE: FastSEQ for Windows Version 2.0  
26  
27 (vi) CURRENT APPLICATION DATA:  
28 (A) APPLICATION NUMBER:  
29 (B) FILING DATE: 21-OCT-1997  
30 (C) CLASSIFICATION:  
31  
32 (vii) PRIOR APPLICATION DATA:  
33 (A) APPLICATION NUMBER: 60/034,044  
34 (B) FILING DATE: 25-OCT-1996  
35  
36  
37 (viii) ATTORNEY/AGENT INFORMATION:  
38 (A) NAME: Bennett, Dennis A  
39 (B) REGISTRATION NUMBER: 34,547  
40 (C) REFERENCE/DOCKET NUMBER: 2991/1  
41  
42 (ix) TELECOMMUNICATION INFORMATION:  
43 (A) TELEPHONE: 314-737-6986  
44 (B) TELEFAX: 314-737-6972  
45 (C) TELEX:  
46

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/954,954

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48

49 (2) INFORMATION FOR SEQ ID NO:1:

50

51 (i) SEQUENCE CHARACTERISTICS:

52 (A) LENGTH: 170 amino acids

53 (B) TYPE: amino acid

54 (C) STRANDEDNESS: single

55 (D) TOPOLOGY: linear

56

57 (ii) MOLECULE TYPE: None

58

59 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

60

61 Asn Ile Thr Thr Gly Cys Ala Glu His Cys Ser Leu Asn Glu Asn Ile

62 1 5 10 15

63 Thr Val Pro Asp Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg Met Glu

64 20 25 30

65 Val Gly Gln Gln Ala Val Glu Val Trp Gln Gly Leu Ala Leu Leu Ser

66 35 40 45

67 Glu Ala Val Leu Arg Gly Gln Ala Leu Leu Val Asn Ser Ser Gln Pro

68 50 55 60

69 Trp Glu Pro Leu Gln Leu His Val Asp Lys Ala Val Ser Gly Leu Arg

70 65 70 75 80

71 Ser Leu Thr Thr Leu Leu Arg Ala Leu Gly Ala Gln Lys Glu Ala Ile

72 85 90 95

73 Ser Pro Pro Asp Ala Ala Ser Ala Ala Pro Leu Arg Thr Ile Thr Ala

74 100 105 110

75 Asp Thr Phe Arg Lys Leu Phe Arg Val Tyr Ser Asn Phe Leu Arg Gly

76 115 120 125

77 Lys Leu Lys Leu Tyr Thr Gly Glu Ala Cys Arg Thr Gly Asp Arg Gly

78 130 135 140

79 Gly Gly Ser Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu

80 145 150 155 160

81 Arg Tyr Leu Leu Glu Ala Lys Glu Ala Glu

82 165 170

83

84 (2) INFORMATION FOR SEQ ID NO:2:

85

86 (i) SEQUENCE CHARACTERISTICS:

87 (A) LENGTH: 170 amino acids

88 (B) TYPE: amino acid

89 (C) STRANDEDNESS: single

90 (D) TOPOLOGY: linear

91

92 (ii) MOLECULE TYPE: None

93

94 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

95

96 Ile Thr Thr Gly Cys Ala Glu His Cys Ser Leu Asn Glu Asn Ile Thr

97 1 5 10 15

98 Val Pro Asp Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg Met Glu Val

99 20 25 30

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/954,954

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```

100 Gly Gln Gln Ala Val Glu Val Trp Gln Gly Leu Ala Leu Leu Ser Glu
101           35           40           45
102 Ala Val Leu Arg Gly Gln Ala Leu Leu Val Asn Ser Ser Gln Pro Trp
103           50           55           60
104 Glu Pro Leu Gln Leu His Val Asp Lys Ala Val Ser Gly Leu Arg Ser
105           65           70           75           80
106 Leu Thr Thr Leu Leu Arg Ala Leu Gly Ala Gln Lys Glu Ala Ile Ser
107           85           90           95
108 Pro Pro Asp Ala Ala Ser Ala Ala Pro Leu Arg Thr Ile Thr Ala Asp
109           100          105          110
110 Thr Phe Arg Lys Leu Phe Arg Val Tyr Ser Asn Phe Leu Arg Gly Lys
111           115          120          125
112 Leu Lys Leu Tyr Thr Gly Glu Ala Cys Arg Thr Gly Asp Arg Gly Gly
113           130          135          140
114 Gly Ser Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu Arg
115           145          150          155          160
116 Tyr Leu Leu Glu Ala Lys Glu Ala Glu Asn
117           165          170
118

```

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 170 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

```

131 Thr Thr Gly Cys Ala Glu His Cys Ser Leu Asn Glu Asn Ile Thr Val
132 1           5           10           15
133 Pro Asp Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg Met Glu Val Gly
134           20           25           30
135 Gln Gln Ala Val Glu Val Trp Gln Gly Leu Ala Leu Leu Ser Glu Ala
136           35           40           45
137 Val Leu Arg Gly Gln Ala Leu Leu Val Asn Ser Ser Gln Pro Trp Glu
138           50           55           60
139 Pro Leu Gln Leu His Val Asp Lys Ala Val Ser Gly Leu Arg Ser Leu
140           65           70           75           80
141 Thr Thr Leu Leu Arg Ala Leu Gly Ala Gln Lys Glu Ala Ile Ser Pro
142           85           90           95
143 Pro Asp Ala Ala Ser Ala Ala Pro Leu Arg Thr Ile Thr Ala Asp Thr
144           100          105          110
145 Phe Arg Lys Leu Phe Arg Val Tyr Ser Asn Phe Leu Arg Gly Lys Leu
146           115          120          125
147 Lys Leu Tyr Thr Gly Glu Ala Cys Arg Thr Gly Asp Arg Gly Gly Gly
148           130          135          140
149 Ser Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr
150           145          150          155          160
151 Leu Leu Glu Ala Lys Glu Ala Glu Asn Ile
152           165          170

```

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/954,954

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154

(2) INFORMATION FOR SEQ ID NO:4:

155

156

(i) SEQUENCE CHARACTERISTICS:

157

(A) LENGTH: 170 amino acids

158

(B) TYPE: amino acid

159

(C) STRANDEDNESS: single

160

(D) TOPOLOGY: linear

161

162

(ii) MOLECULE TYPE: None

163

164

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

165

166 Thr Gly Cys Ala Glu His Cys Ser Leu Asn Glu Asn Ile Thr Val Pro

167 1 5 10 15

168 Asp Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg Met Glu Val Gly Gln

169 20 25 30

170 Gln Ala Val Glu Val Trp Gln Gly Leu Ala Leu Leu Ser Glu Ala Val

171 35 40 45

172 Leu Arg Gly Gln Ala Leu Leu Val Asn Ser Ser Gln Pro Trp Glu Pro

173 50 55 60

174 Leu Gln Leu His Val Asp Lys Ala Val Ser Gly Leu Arg Ser Leu Thr

175 65 70 75 80

176 Thr Leu Leu Arg Ala Leu Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro

177 85 90 95

178 Asp Ala Ala Ser Ala Ala Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe

179 100 105 110

180 Arg Lys Leu Phe Arg Val Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys

181 115 120 125

182 Leu Tyr Thr Gly Glu Ala Cys Arg Thr Gly Asp Arg Gly Gly Gly Ser

183 130 135 140

184 Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu

185 145 150 155 160

186 Leu Glu Ala Lys Glu Ala Glu Asn Ile Thr

187 165 170

188

189

(2) INFORMATION FOR SEQ ID NO:5:

190

191

(i) SEQUENCE CHARACTERISTICS:

192

(A) LENGTH: 170 amino acids

193

(B) TYPE: amino acid

194

(C) STRANDEDNESS: single

195

(D) TOPOLOGY: linear

196

197

(ii) MOLECULE TYPE: None

198

199

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

200

201 Gly Cys Ala Glu His Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp

202 1 5 10 15

203 Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln

204 20 25 30

205 Ala Val Glu Val Trp Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/954,954

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```

206          35          40          45
207 Arg Gly Gln Ala Leu Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu
208          50          55          60
209 Gln Leu His Val Asp Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr
210          65          70          75          80
211 Leu Leu Arg Ala Leu Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp
212          85          90          95
213 Ala Ala Ser Ala Ala Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg
214          100          105          110
215 Lys Leu Phe Arg Val Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu
216          115          120          125
217 Tyr Thr Gly Glu Ala Cys Arg Thr Gly Asp Arg Gly Gly Gly Ser Ala
218          130          135          140
219 Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu Leu
220          145          150          155          160
221 Glu Ala Lys Glu Ala Glu Asn Ile Thr Thr
222          165          170
223

```

## (2) INFORMATION FOR SEQ ID NO:6:

### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 170 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

### (ii) MOLECULE TYPE: None

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

```

236 Cys Ala Glu His Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr
237   1           5           10           15
238 Lys Val Asn Phe Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala
239           20           25           30
240 Val Glu Val Trp Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg
241           35           40           45
242 Gly Gln Ala Leu Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln
243           50           55           60
244 Leu His Val Asp Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu
245           65           70           75           80
246 Leu Arg Ala Leu Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala
247           85           90           95
248 Ala Ser Ala Ala Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys
249           100          105          110
250 Leu Phe Arg Val Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr
251           115          120          125
252 Thr Gly Glu Ala Cys Arg Thr Gly Asp Arg Gly Gly Gly Ser Ala Pro
253           130          135          140
254 Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu Leu Glu
255           145          150          155          160
256 Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly
257           165          170
258

```

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/954,954**

DATE: 03/13/98  
TIME: 17:00:52

*INPUT SET: S24139.raw*

Line	Error	Original Text
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